

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0120642

Owner: SJS, L.L.C.  
Address: 6465 Highway E, Auxvasse, MO 65231

Continuing Authority: Same as Above  
Address: Same as Above

Facility Name: Missouri Fibre Corporation Chip Mill  
Address: 28 East Road, Scott City, MO 63780

Legal Description: NE ¼, Sec. 28, T30N, R14E, Scott County

Receiving Stream: Tributary to Mississippi River (U)  
First Classified Stream and ID: Mississippi River (P)(01707)  
USGS Basin & Sub-watershed No.: (07140105-210001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

May 2, 2003  
Effective Date

May 1, 2008  
Expiration Date  
MO 780-0041 (10-93)

  
Stephen M. Mahfood, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

Gary L. Gaines, P.E., Director, Southeast Regional Office

FACILITY DESCRIPTION (continued)

Outfall #001 - Stormwater Runoff and Wet Decking Recycled Water - SIC #2499 & 2421  
Design flow is 586,000 gal per day based on 5 year - 24 hour storm event.

Outfall #002 - Stormwater Runoff - SIC #2499 & #2421  
Design flow is 390,000 gallons per day based on 5 year-24 hour storm event.

Outfall #003 - Stormwater Runoff - SIC #2499 & #2421  
Design flow is 150,000 gallons per day based on 5 year-24 hour storm event.

After completion of construction modified outfalls are described as follows:

Outfall #001 - Stormwater Runoff and Wet Decking Recycled Water - SIC #2499 & 2421  
Design flow is 1,126,000 gal per day based on 5 year - 24 hour storm event

Outfalls #002 & #003 - Stormwater sump pump overflow occurring during a once in ten year rain fall event.

Outfalls #001/#003 - NE  $\frac{1}{4}$ , Sec. 28, NW  $\frac{1}{4}$ , Sec. 27, T30N R14E, Scott County  
Outfall #002 - SE  $\frac{1}{4}$ , Sec 21, T30N, R14E, Cape Girardeau Co.

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 3 of 7	
					PERMIT NUMBER MO-0120642	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The interim effluent limitations shall become effective upon issuance and remain in effect until June 30, 2005. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	INTERIM EFFLUENT LIMITS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001, #002 &amp; #003</u>						
Oil and Grease	mg/L	*		*	once/quarter***	grab
pH - Units	SU	**		**	once/quarter***	grab
Total Suspended Solids	mg/L	*		*	once/quarter***	grab
Settleable Solids	ml/L/hr	*		*	once/quarter***	grab
Total Residual Chlorine	mg/L	*		*	once/quarter***	grab
Color	color units	*		*	once/quarter***	grab
Chemical Oxygen Demand	mg/L	*		*	once/quarter***	grab
Fluoride	mg/L	*		*	once/quarter***	grab
Nitrate & Nitrite as N	mg/L	*		*	once/quarter***	grab
Total Kjeldahl Nitrogen	mg/L	*		*	once/quarter***	grab
Phosphorous, Total	mg/L	*		*	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 4 of 7	
PERMIT NUMBER MO-0120642						
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective July 1, 2005 and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Oil and Grease	mg/L	15		10	once/quarter***	grab
pH - Units	SU	**		**	once/quarter***	grab
Total Suspended Solids	mg/L	70		70	once/quarter***	grab
Settleable Solids	ml/L/hr	1.5		1.5	once/quarter***	grab
Total Residual Chlorine	mg/L	*		*	once/quarter***	grab
Color	color units	*		*	once/quarter***	grab
Chemical Oxygen Demand	mg/L	120		90	once/quarter***	grab
Fluoride	mg/L	*		*	once/quarter***	grab
Nitrate & Nitrite as N	mg/L	*		*	once/quarter***	grab
Total Kjeldahl Nitrogen	mg/L	*		*	once/quarter***	grab
Phosphorous, Total	mg/L	*		*	once/quarter***	grab
<u>Outfalls #002 &amp; #003</u>						
Oil and Grease	mg/L	15		10	once/quarter***	grab
pH - Units	SU	**		**	once/quarter***	grab
Total Suspended Solids	mg/L	80		120	once/quarter***	grab
Settleable Solids	ml/L/hr	*		*	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE <u>October 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- \*\*\* Sample once per quarter in the months of February, May, August and November.

C. SPECIAL CONDITIONS

1. Report as no-discharge when a discharge does not occur during the report period.
2. The permittee shall collect and have analyzed a sample of stormwater from all three (3) outfalls for each effluent parameter listed. This analysis shall be submitted to the Missouri Department of Natural Resources By July 1. 2005.
3. Woodchips, bark and fines shall be managed to control the amount of precipitation that is allowed to infiltrate. The following Best Management Practices are suggested:
  - (a) Limit storage time of chips, bark, and fines to prevent degradation and generation of leachate;
  - (b) Divert storm water around materials piles with ditches, swales, and/or berms;
  - (c) Limit slopes of materials Piles to minimize velocities of runoff which may transport chips, bark, or fines;
  - (d) Cover and/or enclose material piles to prevent contact with storm water by using silos, van trailers, sheds, roofs, buildings, or tarps.
4. There shall be no debris discharged from the wet deck operation and there shall be no process wastewater discharged from the debarking operation.
5. Outfalls must be marked in the field.
6. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Spill prevention, control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
7. Collection facilities shall be provided on-site, and arrangement made for proper disposal of (non-wood) waste products, including but not limited to, petroleum waste products and solvents.
8. Good house keeping practices shall be maintained on the site to keep solid waste from entry into waters of the state.
9. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
10. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect , on workdays, any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
11. Substance regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
12. All involved personnel shall be trained in material handling and storage, and housekeeping of maintenance areas. Upon request, proof of the training shall be submitted to the Department.

C. SPECIAL CONDITIONS (continued)

13. This permit may be reopened and modified, or alternatively revoked and reissued, to:
- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.
- The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
14. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of the beneficial use;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the waters;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to sections 260.200-260.247.
15. Within one year of permit issuance, all materials piles shall be placed on a pad constructed of an impervious material to be approved of by the Department. Suggested materials include concrete, asphalt, or glassphalt.
16. A representative of each regular logging contractor hired by Missouri Fibre Corporation will attend the Missouri Professional timber Harvester Program sponsored by the Missouri Forest Products Association (or other equivalent training) within twelve months of signing a contract with Missouri Fibre Corporation. Any such training will include forestry Best Management Practices (BMP's) and logger safety training. Missouri Fibre Corporation will maintain, for inspection by the Department of Natural Resources, certification that the required training has taken place.

C. SCHEDULE OF COMPLAINT

1. By October 31, 2003 submit plans, specifications and an application for a construction permit to pump storm water which is generated by storm events occurring less frequently than once in ten years to outfall #001. Provide treatment for accumulated storm flows at Outfall #001 with a design capacity to serve flows less than a once in ten year 24 hour storm.
2. By November 30, 2004 complete construction of the facilities specified in Paragraph one (1) above.
3. By July 1, 2005, demonstrate compliance with the final effluent limitations contained in this permit.